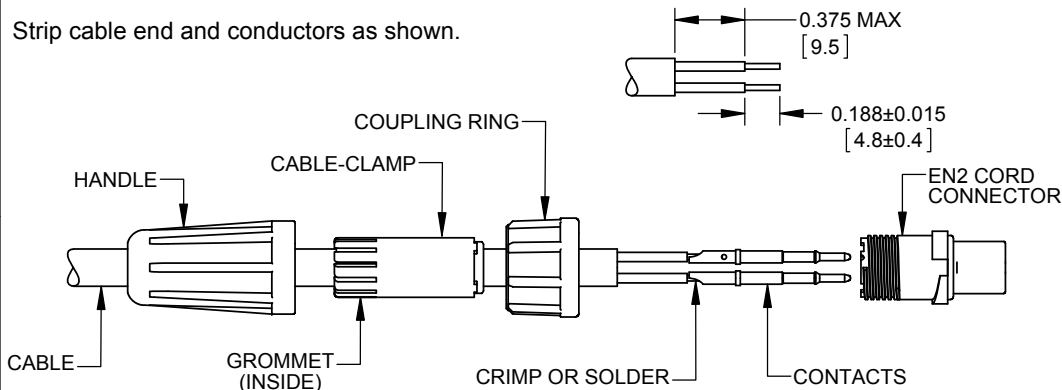


**CONTACT ARRANGEMENTS
CORD CONNECTOR REAR (WIRING SIDE) VIEW**

EN2 CORD CONNECTOR FIELD ASSEMBLY INSTRUCTIONS:

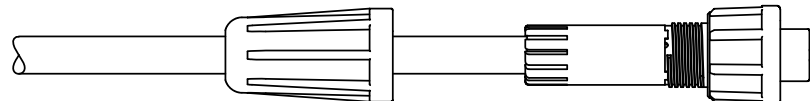
Feed the free end of cable through the handle, cable-clamp/grommet, and coupling ring in the order shown.

Strip cable end and conductors as shown.



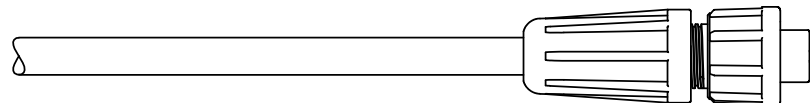
Soldering or crimping conductors to contacts is recommended before insertion into connector. If crimping, use hand or pneumatic crimp tool with crimp positioner per contact size. If soldering after contacts are inserted in the connector, limit exposure of contacts to soldering iron temperature to 4 sec. maximum. Soldering iron temperature should not exceed 650°F (343°C).

Insert wired contacts into connector housing using an insertion tool and per contacts arrangements.

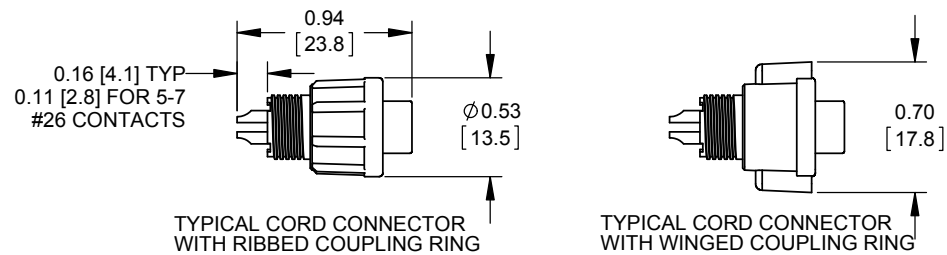


Align coupling ring over housing and bring forward.

Align cable-clamp/grommet on the rear of housing. Make certain grommet is completely inside the cable-clamp in the final position.



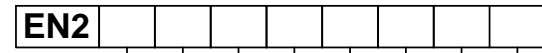
Bring forward and thread handle onto housing until tight. Do not exceed 2 in-lb torque.



TYPICAL CORD CONNECTOR WITH RIBBED COUPLING RING

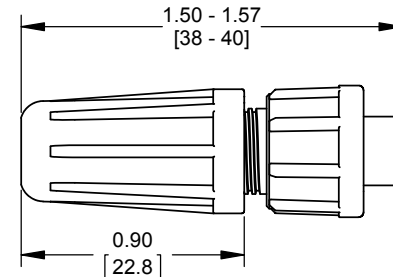
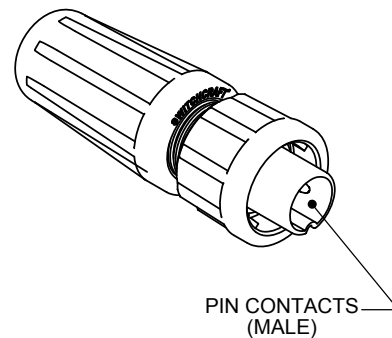
TYPICAL CORD CONNECTOR WITH WINGED COUPLING RING

PART NUMBER SCHEME:



- Connector Type: C - Cord, P - Panel*, L - In-Line**
- # of Contacts: 2-3 for #20, 4 for #22, 5-7 for #26
- Gender: M - Male, F - Female
- Contact Size: 20 - #20, 22 - #22, 26 - #26
- Contact Style: Leave blank for Solder or Crimp, P - PC tail (Panel connectors only)
- Coupling Ring option: Leave blank for Ribbed, W - Winged
- Grommet Code - Cable O.D. Range: DC - Daisy Chain (all 3 sizes), G1 - 0.100-0.140 (2.5-3.6), G2 - 0.140-0.180 (3.6-4.6), G3 - 0.180-0.220 (4.6-5.6)
- Packaging Options: Leave blank for Bulk, K - Kit (one unit/bag)

* for mating Panel-mount connectors refer to EN2P SERIES drawing.
** Mating In-Line connectors not currently available.



ALL DIMENSIONS FOR REFERENCE ONLY

SPECIFICATIONS:

MECHANICAL
Life: 600 cycles minimum
Vibration: Mil-Std 202G Method 201A
Hex Nut Tongue: 5-6 in-lb

ELECTRICAL
Voltage Rating: 250 V AC/DC for 2 contact arrangement, 125 V AC/DC for 3-7 contact arrangements
Insulation Resistance: 1000 MΩ minimum
Contact Resistance: 10 mΩ maximum
Current Rating: Refer to Current Rating Table

ENVIRONMENTAL
Operating Temperature Limits: -40°C to +85°C (-40°F to +185°F), see Current Rating Table.
Moisture Resistance: Mil-Std 202G Method 106G
Insulation Resistance: Mil-Std 202G Method 302
Thermal Shock: Mil-Std 202G Method 107G
Salt Atmosphere (Corrosion): Mil-Std 202G Method 101E
Wear/tight Ratings: IP16, IP18, IP66, IP67, IP68 per IEC60529
NEMA 250 (6P), CFR 46 Part 110.20

MATERIAL
Connector Housing ----- Thermoplastic, black
Hex Nut ----- Thermoplastic, black
Coupling Ring ----- Thermoplastic, black
Cable Clamp ----- Thermoplastic, black
Handle (back-shell) ----- Thermoplastic, black
Insulator ----- Elastomer, black
Seal Grommet ----- Elastomer, black
Contacts ----- Copper Alloy, plated

Contacts	Wire (awg)	Current Rating (A) at Operating Temperature (°C)				
		45°C max.	55°C max.	65°C max.	75°C max.	85°C max.
2 #20	20	7	6	5	4	3.5
	22	5.5	5	4	3	2.5
	24	5.5	5	4	3	2.5
	26	4	3.5	2.5	2	1
3 #20	20	6.5	5.5	4.5	3.5	2
	22	5	4.5	3.5	3	1.5
	24	5	4.5	3.5	3	1.5
	26	3	2.5	2	1.5	0.5
4 #22	20	5	4.5	3.5	3	1.5
	22	4.5	4	3	2	1
	24	4.5	4	3	2	1
	26	3	2.5	2	1.5	0.5
5-7 #26	26	3	2.5	2	1.5	1
	30	2	1.5	1	0.5	0.5

TOOL	TOOL TYPE	POSITIONER	CONTACT SIZE	WIRE SIZES
EN3CR	HAND CRIMP TOOL	EN2POS20	20 and 22	20 and 22 AWG
		EN3POS26	26	26, 28, and 30 AWG
EN3CRAUTO	PNEUMATIC CRIMP TOOL	EN2POS20	20 and 22	20 and 22 AWG
		EN3POS26	26	26, 28, and 30 AWG
EN2CRL	HAND CRIMP TOOL LARGE FRAME	EN2POS20L	20 and 22	20, 22, 24, and 26 AWG
EN2CRAUTOL	PNEUMATIC CRIMP TOOL LARGE FRAME			
EN3INS20	CONTACT	--	20 and 22	--
EN3INS26	INSERTION/EXTRACTION	--	26	--

REV	ECO NUMBER	DATE	BY	APVD
0C	SPECS UPDATED	09/20/12	PNK	SRC
0B	TOOLS REVISED	05/14/12	PNK	*
0A	PRELIMINARY	02/08/12	PNK	*
REVISIONS				

UNLESS OTHERWISE SPECIFIED
1. ALL DIMENSIONS IN INCHES
- TWO PLACE DECIMALS ±0.02
- THREE PLACE DECIMALS ±0.005

DO NOT SCALE DRAWING

SIZE	WIDTH	MULT	LBS/M	TEMPER
THIS DRAWING DESCRIBES A DESIGN CONSIDERED PROPRIETARY IN NATURE. DEVELOPED AND MANUFACTURED BY SWITCHCRAFT INC. AND IS RELEASED ON A CONFIDENTIAL BASIS FOR IDENTIFICATION PURPOSES ONLY.				
FINISH SPEC No.		MATERIAL SPEC No.		
FIRST USED ON		SCALE 1.5:1		
DATE DRAWN	BY	CHKD	APVD	Switchcraft®
02/08/12	PNK	PNK	SRC	
NAME		PART No.		
EN2C SERIES CONNECTORS, RoHS		EN2C SERIES		
SHEET 1 OF 1				REV 0C